

**Amendments to the Specification:**

Please replace the paragraph beginning on page 6, line 10, with the following rewritten paragraph:

Each of the service processors 24 described above is also provided, as illustrated in Fig. 2, with a CPU ~~24a,~~24F, a ROM ~~24b,~~24G, a RAM ~~24e,~~24H, and a microcomputer in which a user interface (UI) ~~24d-24J~~ is connected to a bus ~~24e,~~24K.

Please replace the paragraph beginning on page 6, line 13, with the following rewritten paragraph:

The ROM ~~24b~~24G stores applications and programs for execution of various services and a program or the like for execution of service cooperation.

Please replace the paragraph beginning on page 6, line 15, with the following rewritten paragraph:

Moreover, this embodiment is configured to conceal the information about the services to be performed with each of the service processors 24 through the connection of an encryption unit ~~24f~~24L and a decoding unit ~~24g~~24M to the bus ~~24e,~~24K. Therefore, the data such as the source data and data after processes to be inputted to the service processor 24 can be encrypted with the encryption unit ~~24f~~24L and the encrypted data can be decoded with the decoding unit ~~24g~~24M.

Please replace the paragraph beginning on page 6, line 21, with the following rewritten paragraph:

Moreover, each of the service processors 24 in this embodiment is capable of storing, for the purpose such as recovery of data when a fault occurs, the source data inputted thereto or the source data storing location information and the information for identifying contents of process and documents as the processing object to the RAM ~~24e,~~24H. In this case, a service ID for identifying contents of process and cooperation of the relevant service is also stored

together with the source data. Here, it is also possible to provide an exclusive memory in place of the RAM ~~24e~~24H and then store the source data or the like to this memory.

Please replace the paragraph beginning on page 7, line 18, with the following rewritten paragraph:

The <service class> indicates a class of service provided by the service processors 24. As the <service class>, the predetermined class of service is used and it corresponds, for example, to scanning, printing, repository, and flow or the like. The <service name> indicates a name of service provided by the service processors 24. The <service icon> indicates the location information of icon to be displayed in the GUI of the client terminal ~~10-14~~.

Please replace the paragraph beginning on page 7, line 24, with the following rewritten paragraph:

The <service location information> indicates the URL used by the instruction form creation server ~~30-18~~ to obtain the I/F information. The <input> indicates an input to the service. The <output> indicates an output from the service. The <parameter restriction rule> indicates the restriction rule to be applied to the <input> and <output>. The <service location> indicates the location information when the service is actually used. The <method name> indicates the name to suggest the method to provide the service process and the service.

Please replace the paragraph beginning on page 9, line 26, with the following rewritten paragraph:

Fig. 5 is a diagram showing an instruction form creation image ~~30~~26 as the GUI image to define a job flow. The instruction form creation image 26 is formed of a service window 26A, a flow window 26B, a logic window 26C, and a property window 26D.

Please replace the paragraph beginning on page 12, line 22, with the following rewritten paragraph:

The cooperation process server 22 creates, to interpret the instruction form and then sends a request to each of the service processors 24, the individual instruction information including the process request contents, input parameters, information for identifying the document as the process object and the service ID for identifying the job flow (service cooperation) based on the instruction form, or the like. The cooperation process server ~~50-22~~ is capable of extracting the information related to the service processes before and after the cooperated process among those executed in each of the service processors 24 and then describing this information to the instruction form or is also capable of sending a request in the exclusive information exchange format for each of the service processors 24 in place of the format of the instruction form.

Please replace the paragraph beginning on page 14, line 8, with the following rewritten paragraph:

The first service processor 24D executes the predetermined service processes in regard to the documents in accordance with the instructions from the external side. Here, the first service processor 24D executes the service processes to be executed thereby based on the information such as process request contents, input parameter and information to identify the documents as the process object from the cooperation process server 22. Moreover, the first service processor 24D notifies, when it is invoked, the partial I/F information to the service search server 16. Moreover, the first service processor 24D transmits the I/F information indicating the application method of the service process responding to the request from the instruction form creation server ~~30-18~~. Here, the second service processor 24E operates in the same manner as the first service processor 24D, except for the contents of a service process.

Please replace the paragraph beginning on page 17, line 18, with the following rewritten paragraph:

Namely, the cooperation process server 22 interprets the instruction form transmitted from the instruction form management server 20 and requests execution of the service process to the service processors 24 described in the instruction form. Specifically, the cooperation process server 22 extracts, based on the information described in the instruction form, the locations of the service processors 24 which request the process, format of input and output parameters required for process request, method name for process request, invocation method, information to identify the document as the process object, setting of encryption and setting of storing or the like and then creates individual instruction information and a service ID. The cooperation process server ~~50~~22 transmits the individual instruction information and service ID to each of the service processors 24 described in the instruction form. Moreover, the cooperation process server 22 requests execution of the service process to each of the service processors 24 in the sequence determined in the instruction form.

Please replace the paragraph beginning on page 19, line 20, with the following rewritten paragraph:

For example, it is considered here that the service is provided sequentially to the service processor ~~A241~~, A 241, service processor ~~B242~~B 242 and service processor ~~C243~~ C 243 as illustrated in Fig. 10. Each of the service processors 24 stores the source data to the RAM ~~24e~~24H in correspondence to the service ID (it is also possible here to provide another exclusive memory or the like in place of the RAM ~~24e~~24H). Accordingly, when a fault occurs, the source data of service can be searched based on the service ID from a UI 30 of the client terminal 14 or the like. Moreover, the service process can be executed again from the service of the service processors 24 which cannot be executed because of the occurrence of the fault based on the contents of instruction form corresponding to the service ID.

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A service processor which processes, in cooperation, various services to execute processes on document data on a network, comprising: A service processing system comprising:~~

an instruction form creation server that creates an instruction form that instructs various processes to be executed on document data;

a plurality of service processors that execute the various processes on the document data in cooperation based on the instruction form, each service processor of the service processors comprising:

a process part which obtains source data to be processed and executes a process on the source data based on the instruction form to generate processed data;

a storage part which stores the source data before a process in the own device in relation to identifying information to identify cooperation of services; and that identifies the process instructed in the instruction form; and

a control part which controls the storage part based on setting information in the instruction form which presets whether the source data should be stored or not.

2. (Currently Amended) The service ~~processor~~processing system according to claim 1, wherein the storage part ~~stores own device~~further stores individual identifying information ~~with further relationship when the identifying information is different from the own device identifying information to identify the service in the own device. that is unique to the service processor and identifies the process which is performed by the service processor.~~

3. (Currently Amended) The service processing system according to claim 1, wherein the storage part stores the source data, which is encrypted depending on a predetermined setting of encryption.

4. (Currently Amended) ~~A service~~ The service processing system which processes, in cooperation, various services to perform processes of document data on a network, according to claim 1, further comprising:

~~\_\_\_\_\_ the service processor according to claim 1; and~~

a storage device which stores the source data stored in the storage part.

5. (Original) The service processing system according to claim 4, wherein the storage device obtains and stores the source data in relation to the identifying information stored in the storage part of the service processor at a predetermined threshold value or a predetermined timing.

6. (Currently Amended) The service processing system according to claim 4, wherein the storage device stores differential information before and after the various processes as the source data among the service processors.

7. (Currently Amended) A source data storing method for a service processing system, ~~comprising the steps of:~~ comprising:

creating an instruction form that instructs various processes to be executed on document data by plural service processors in cooperation;

~~\_\_\_\_\_ processing services to perform, in cooperation, executing the processes on document data~~ source data according to a process content among with the plural service processors connected to a network to generate processed data, based on the instruction form;  
and

storing the source data ~~before the process in the service processor in a~~  
predetermined storage area in relation to identifying information ~~to identify~~ that identifies

~~cooperation of the service~~ one of the processes instructed in the instruction form, based on setting information in the instruction form which is preset to decide whether the source data included in the process content should be stored or not.

8. (Currently Amended) The source data storing method according to claim 7, wherein ~~own device identifying information is stored in the storage area with further relationship when the identifying information is different from the own device identifying information to identify the service in the service processor.~~ the storage area stores individual identifying information that is unique to one of the service processors and identifies the process which is performed by the one of the service processors.

9. (Currently Amended) The source data storing method according to claim 7, wherein the source data is encrypted depending on a setting of encryption included in the ~~process contents~~ instruction form and is then stored in the storage area.

10. (Currently Amended) The source data storing method according to claim 7, wherein the storage area is ~~the service processor.~~ one of the service processors.

11. (Currently Amended) The source data storing method according to claim 7, wherein the storage area is ~~the~~ a storage device connected to the network.

12. (Currently Amended) The source data storing method according to claim 7, wherein the source data to be stored stores differential information before and after the various processes as the source data among the service processors.

13. (Currently Amended) A service processor which ~~processes, in cooperation, various services to execute~~ executes various processes on document data on a network, comprising:

a process part which obtains source data to be processed and executes a process on the source data to generate processed data, wherein

the process executed by the process part is instructed in an instruction form that instructs various processes to be executed on the document data in cooperation by a plurality of service processors; and

a storage part which stores ~~source data before a process in the own device~~ the source data in relation to identifying information ~~to identify cooperation of services that identifies the process instructed in the instruction form~~ based on setting information in the instruction form which presets whether the source data should be stored or not.

14. (Currently Amended) A service processor for ~~processing services~~ executing processes to a document on document data at several service domains on a network cooperatively, comprising:

a processor provided to a service domain, the processor obtaining source data and executing processes on the source data to generate processed data, based on an instruction form that instructs various processes to be executed on document data;

a storage provided to a service domain, the storage storing a source ~~the source~~ data to be processed at the service domain with ~~a data~~ data from the instruction form for defining the ~~services~~ processes instructed in the instruction form; and

a controller that controls whether the storage should store the source data or not in accordance with a preset data in the instruction form.

15. (Currently Amended) The service processor according to claim 1, wherein the storage stores the source data with a self-identifying data for identifying a ~~service to be processed~~ process to be executed at the service domain.

16. (Currently Amended) The service processor according to claim 1, wherein the preset data ~~including~~ includes an encrypting setting.

17. (Currently Amended) The service processor according to ~~claim 1, wherein~~ claim 1, further comprising a main storage that stores the source data stored in the storage.



**Amendments to the Drawings:**

The attached replacement drawing sheet makes changes to Fig. 2 and replaces the original sheet with Fig. 2.

Attachment: Replacement Sheet